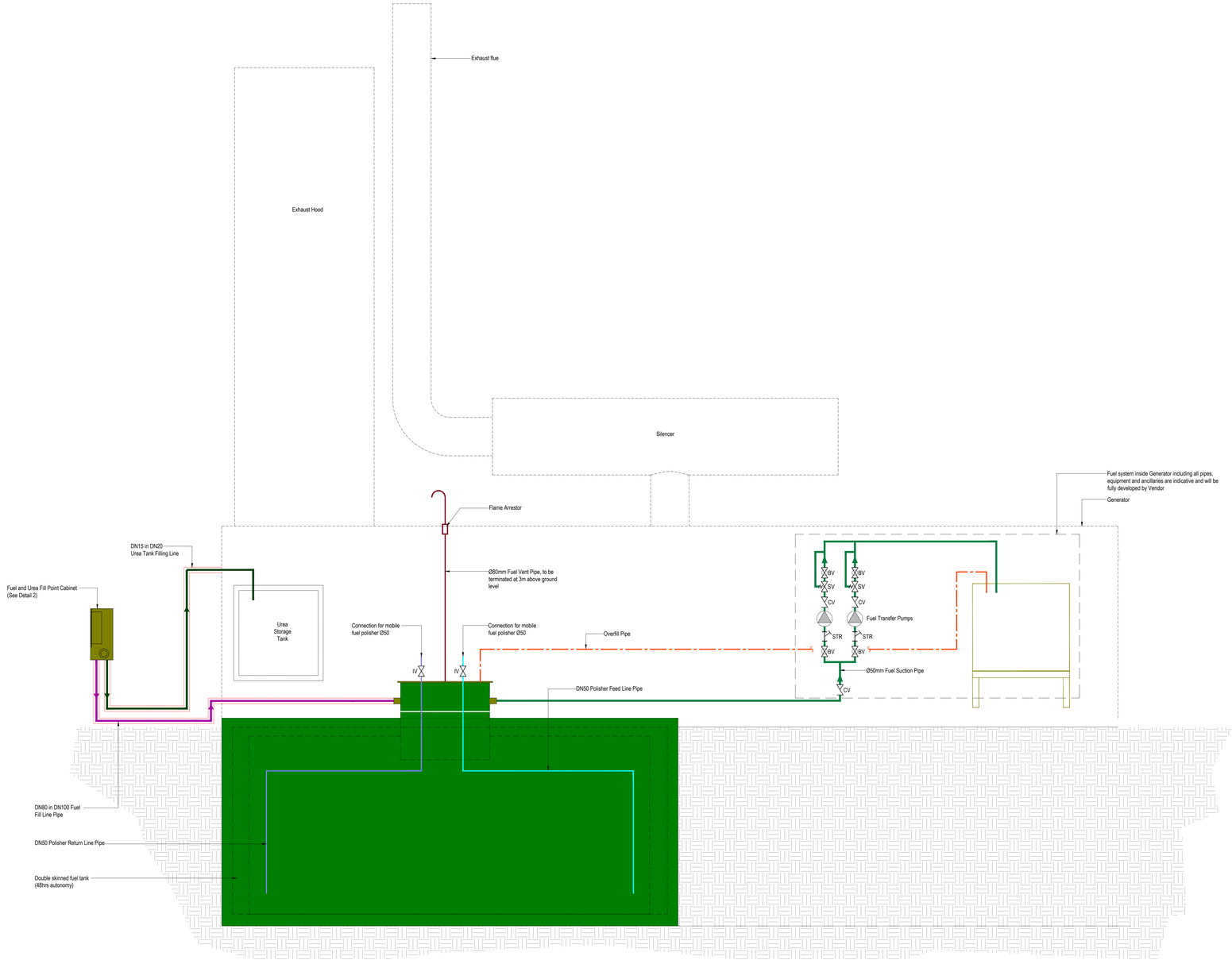
A0 - Do not scale



General Notes

1. This drawing has been checked in accordance with Black & White Engineering (B&W) QA checking procedures.
2. Do not scale from this drawing. All dimensions indicated are in millimeters unless otherwise noted. Verify all measurements on site.
3. All pipe and equipment dimensions are typical. The Contractor should show actual, approved plant and equipment sizes.
4. This drawing is to be read in conjunction with all relevant B&W MEP specifications, schedules and standard key to symbols sheet.
5. Any discrepancies between the drawings and other documents should be brought to the attention of the engineer.
6. This drawing is not an installation drawing. It is the Contractors responsibility to make final coordinated installation shop drawings.
7. Final routing coordination subject to interior design package.
8. Contractor to coordinate final distribution routes with available sleeves and openings in beams / structure.
9. The contents of this drawing shall be read in conjunction with the current revisions of other relevant Architectural, Structural, Mechanical and Electrical drawings and all relevant sections of the specifications.

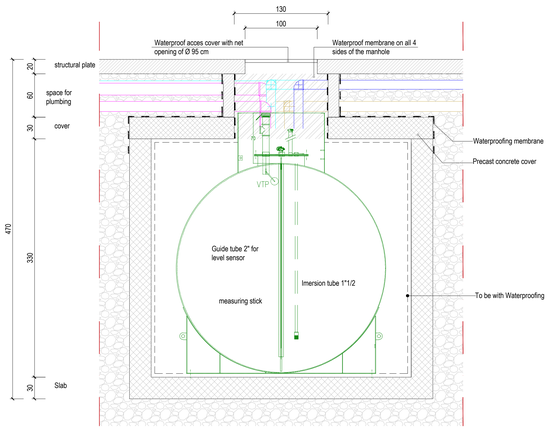
Legends:

	Fuel Suction Pipe
	Deisel Fill Point Line
	Urea Fill Point Line
	Fuel Vent Line
	Denotes Pipe in Pipe
	Overfill Pipe
	Fuel Polishing Return Line
	Fuel Polishing Feed Line
CV	Check Valve
BV	Ball Valve
STR	Strainer
SV	Solenoid Valve
IV	Isolation Valve
	Pump

Drawing Notes:

1. Total fuel storage achieves 48hrs autonomy.
2. Tie-in points and connections are indicative and shall be coordinated with vendor.
3. Fuel Pipes containment and leak detection shall be an OFCI element.

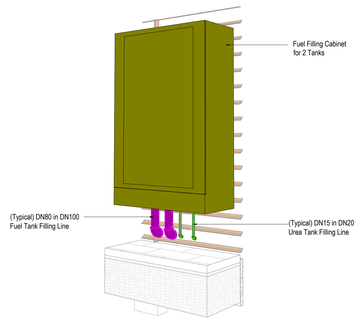
Firmato digitalmente da:
ROBERTO CEREDA
Data: 30/03/2026 10:53:34



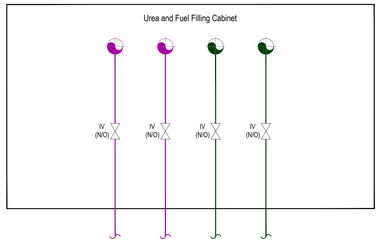
Notes:

1. Fuel system to comply to local regulations.
2. Fuel and urea arrangement shown within the generator container is indicative and will be subject to selected vendor design in compliance with the project specification and local regulations.
3. Fuel tanks shall be double skinned. Only buried tanks within concrete encasement can be single skin since the concrete chamber acts as the containment.
4. All fuel pipework shall be double contained pipe-in-pipe type.
5. All fuel pipework and fuel storage shall be provided with leak detection.
6. Specialist contractor to produce sequence of operation for the fuel system in coordination with the generator supplier.
7. Fuel fill cabinet to have integral drip tray for spill containment.
8. A Filling safety cut off device will be fitted to the fill point cabinet for each base tank in addition to the overfill prevention alarm.
9. Provide beacon/alarm horn and alarm silence/reset button and alarms output interface.
10. Integral locks or padlocks should be provided to secure fuel fill.
11. All above ground pipework to be trace heated.
12. Mobile polishing unit to be proposed and provided by generator supplier. One mobile polishing unit per 12MW. Provisions for connection to mobile polisher to be considered by vendor within genset container.
13. The location of the day and base tank breathers (including deaeration device and flames arrestor) are to be external to the generator enclosure-subject to local legislation.
14. For further details on scope demarcation between vendor and GC please refer to OFCI demarcation and specifications.

1 DETAIL — NTS
Under Ground Fuel Tank Detail



2 DETAIL — NTS
3D View - Fuel Filling Cabinet Detail



3 DETAIL — NTS
Typical Fuel Filling Cabinet Detail

Rev	Details	By / Chkd / App	Date
P02	STAGE 3 - 100% ISSUE	AJ / ST / JD	29/04/2025
P02.01	STAGE 3 - 80% ISSUE	AJ / ST / JD	21/03/2025
P01	STAGE 2	MA / KM / TC	29/11/2024

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Project Title: MIL09

Drawing Title: Typical Fuel Schematic IT & Mech Generators

Project Status: STAGE 3

Discipline: MECHANICAL
Status Code: S4

Project Number: P10508
Scale @ A0: NTS
Revision: P02

Drawing Number: MIL09-BWE-DC-ZZ-SD-M-54101

V1